

clicks: L^AT_EX Package for Slide Deck Animation*

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1 Introduction

This package facilitates the simulation of animation within PDF documents. Content is placed on a page; a “click” then terminates the page while propagating its content onto the next, where additional material may be appended. In the full-screen presentation mode, the resulting effect resembles animation comparable to that produced by MS PowerPoint:

```
\documentclass{article}
\usepackage{clicks}
\begin{document}
\print{Here is your wedding plan:}\click
\print{1. Buy a ring}\click
\print{2. Propose}\click
\print{3. Get married}\flush
\end{document}
```

A more compact form is available through the `\plick` and `\plush` commands:

```
\documentclass{article}
\usepackage{clicks}
\begin{document}
\plick[2]{Here is your wedding plan:}
\plick[3]{1. Buy a ring}
\plick[5]{2. Propose}
\plush[1]{3. Get married}
\end{document}
```

The optional parameters of `\plick` and `\plush` denote minutes: namely, the duration intended to be spent on the corresponding animation. These minutes accumulate in the `minutes` counter, which may be displayed, for instance, in the page header, thereby permitting time to be tracked throughout the presentation. The commands `\click` and `\flush` accept the same optional arguments, and all four commands default to one minute.

*The sources are in GitHub at [yegor256/clicks](https://github.com/yegor256/clicks)

2 Package Options

`static` Should the document be rendered without animation, the `static` package option suffices.

3 Implementation

First, we parse package options:

```
1 \RequirePackage{pgfopts}
2 \pgfkeys{
3   /clicks/.cd,
4   static/.store in=\clicks@static,
5 }
6 \ProcessPgfPackageOptions{/clicks}
```

Then, we define a few supplementary commands:

```
7 \makeatletter
8 \newcommand*\clicks@body{}
9 \newcommand\clicks@flush{%
10   \clicks@body\vspace*{0pt}\newpage%
11 }
12 \makeatother
```

Then, we declare a counter of minutes:

```
13 \newcounter{minutes}
```

`\print` Then, we define `\print` command:

```
14 \RequirePackage{etoolbox}
15 \makeatletter
16 \newcommand\print[1]{%
17   \gappto\clicks@body{{#1}}%
18   \ifstrempy{#1}{\gappto\clicks@body{\par}}}%
19 }
20 \makeatother
```

`\flush` Then, we define `\flush` command:

```
21 \makeatletter
22 \newcommand\flush[1][1]{%
23   \ifx\clicks@body\empty\else%
24     \clicks@flush%
25     \renewcommand*\clicks@body{}%
26   \fi%
27   \ifdefined\clicks@static\else%
28     \addtocounter{minutes}{#1}%
29   \fi%
30 }
31 \makeatother
```

`\click` Then, we define `\click` command:

```
32 \makeatletter
33 \newcommand\click[1][1]{%
34   \ifdefined\clicks@static\else%
35     \addtocounter{minutes}{#1}%
36   \fi%
37 }
```

```

36     \clicks@flush%
37     \fi%
38 }
39 \makeatother

```

`\plush` Then, we define `\plush` command:

```

40 \newcommand\plush[2][1]{%
41     \print{#2}%
42     \flush[#1]%
43 }

```

`\plick` Then, we define `\plick` command:

```

44 \newcommand\plick[2][1]{%
45     \print{#2}%
46     \click[#1]%
47 }

```

Change History

v0.1.0
General: Initial version 2

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Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

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